

FORM PTO-1449
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010952SERIAL NO.
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Kubota, et al.FILING DATE
11/15/2001GROUP
2651

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE
1/4/3	AA	4,210,946	7/1/80	Iwasaki et al.			
6	AB	4,677,032	6/30/87	Robinson			
4	AC	5,023,148	6/11/91	Fisher et al.			
9	AD	5,168,410	12/1/92	Liao			
4	AE	5,589,262	12/31/96	Kiuchi et al.			
4	AF	4,587,176	5/6/86	Carcia			
4	AG	4,576,700	3/18/86	Kadokura et al.			
	AH						
	AI						
	AJ						
	AK						

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
	AL						YES	NO
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

1/4/3	AR		Shun-ichi Iwasaki and Yoshihisa Nakamura, An Analysis for the Magnetization Mode for High Density Magnetic Recording, IEEE Transactions on Magnetics Vol. MAG-13, No. 5, September 1977					
4	AS		Shun-ichi Iwasaki and Kazuhiro Ouchi, Co-Cr Recording Films with Perpendicular Magnetic Anisotropy, IEEE Transactions on Magnetics, Vol. MAG-14, No. 5, September 1978					
4	AT		N.R. Darragh, D.J. Mapps, T. Donnelly, J.G. Wade, J.R. Hoinville, Observation of Underlayer Domain Noise in Perpendicular Recording Disks, IEEE Transactions on Magnetics, Vol. 29, No. 6, November 1993					

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>10/3</i>	Ar		Kenji Sato, Hiroaki Wakamatsu, and Masayoshi Shinohara, Noise Characteristics of CoCrTa/NiFe Perpendicular Recording Media, IEEE Transactions on Magnetics, Vol. 29, No. 6, November 1993
<i>11</i>	As		Toshio Ando and Toshikazu Nishihara, Triple-Layer Perpendicular Recording Media for High SN Ratio and Signal Stability, IEEE Transactions on Magnetics, Vol. 33, No. 5, September 1997
<i>4</i>	AT		H. S. Jung and W. D. Doyle, Fellow, IEEE, FeTaN/Ir/Mn Exchange-Coupled Multilayer Films as Soft Underlayers for Perpendicular Media, IEEE Transactions on Magnetics, Vol. 37, No. 4, July 2001

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